

## **9. PROJECT ORGANIZATION AND RESPONSIBILITIES**

The organization structure for this project reflects the resources and expertise required to perform the work, while minimizing the risks to worker health and safety. As outlined in the FFA/CO, each of the three signatory agencies (DOE, EPA, Idaho Department of Environmental Quality) has assigned a WAG project manager (PM). The WAG project manager's responsibility is to oversee the effective implementation of actions stated in final action documents such as the INTEC OU 3-13 ROD. This section is divided into two subsections that outline the responsibilities of key Bechtel BWXT Idaho, LLC (BBWI) work-site personnel only. Job titles of the individuals who will be filling key roles at the work site, and lines of responsibility and communication are shown in Figure 9-1. Section 9.2 discusses those positions that will supply support for the activities in the field but are not required to be onsite.

### **9.1 Job-Site Personnel**

This section lists the expected personnel on the job site.

#### **9.1.1 Project Manager**

The PM coordinates all document preparation, file, laboratory, and modeling activities associated with this project and is responsible for the overall scope, schedule, and budget of this project. The PM will ensure that all activities conducted during the project comply with the following:

- INTEC site director requirements
- Management control procedures (MCPs) and program requirements directives (PRDs)
- All applicable Occupational Safety and Health Administration (OSHA), EPA, DOE, DOT, and State of Idaho requirements
- The QAPjP, the project HASP, the project WMP, and this LTMP.

The PM will oversee preparation, review, and implementation of the LTMP to ensure work is performed as planned. The PM is responsible for (1) developing resource loaded, time-phased control account plans based on the project's technical requirements, budgets, and schedules and (2) assigning project tasks. Other functions and responsibilities of the PM related to completion of field activities include the following:

- Developing the site-specific plans required by the Environmental Restoration (ER) Program such as Work Plans, environmental HASPs, SAPs, etc.
- Ensuring that project activities and deliverables meet schedule and scope requirements as described in the FFA/CO Attachment A "Action Plan for Implementation of the Federal Facility Agreement and Consent Order" (DOE-ID 1991) and applicable guidance
- Coordinating and interfacing with units within the program support organization on issues relating to QA, environmental safety and health (ES&H), and National Environmental Policy Act (NEPA) support for the project

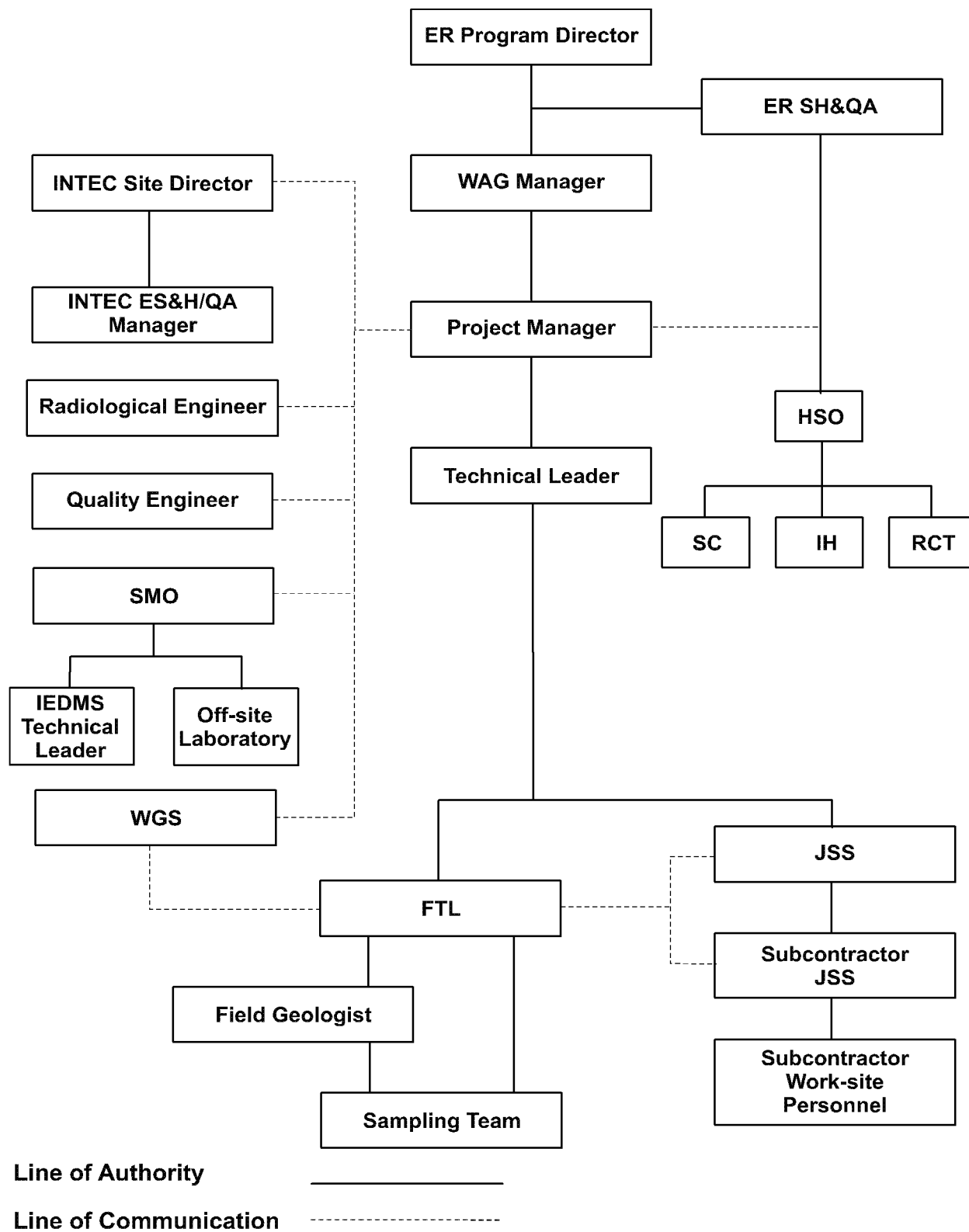


Figure 9-1. The BBWI organization structure for this project.

- Coordinating the site-specific data collection, review for technical adequacy, and data input to an approved database such as the ERIS
- Coordinating and interfacing with subcontractors to ensure milestones are met, adequate management support is in place, technical scope is planned and executed appropriately, and project costs are kept within budget.

### **9.1.2 Technical Leader**

The technical leader provides technical expertise and oversees the preparation, review, and implementation of the LTMP to ensure work is technically correct. The technical leader works with the PM to ensure that

- Site-specific plans required by the ER program, such as Work Plans, HASPs, SAPs, etc., are prepared
- Activities and deliverables meet schedule and scope requirements as described in the FFA/CO Attachment A “Action Plan for Implementation of the Federal Facility Agreement and Consent Order” (DOE-ID 1991) and applicable guidance
- Issues relating to QA, ES&H, and NEPA support for the project are resolved.

The technical leader may function as the field team leader (FTL) at the job site.

### **9.1.3 Field Team Leader**

The FTL represents the ER organization at the job site with delegated responsibility for the safe and successful completion of the project. The FTL works with the PM to manage field sampling or operations, and to execute the work plan. The FTL enforces work-site control, documents activities, and may conduct the daily safety briefings at the start of the shift. Health and safety issues must be brought to the attention of the FTL.

If the FTL leaves the job site, an alternate individual will be appointed to act as the FTL. Persons who act as the FTL on the job site must meet all the FTL training requirements as outlined in the project HASP. The identity of the acting FTL shall be conveyed to work-site personnel, recorded in the FTL logbook, and communicated to the INTEC director, or designee, when appropriate.

The FTL shall comply with the requirements by completing the briefings and reviews, and submitting the documentation to the INTEC site director and ER Environment, Safety and Health/Quality Assurance (ES&H/QA) manager. The FTL shall complete the job requirements checklist (JRC).

The FTL will be responsible for ensuring compliance with waste management requirements and coordinating such activities with the environmental compliance coordinator and/or designee.

### **9.1.4 Health and Safety Officer**

The health and safety officer (HSO) is the person located at the work site who serves as the primary contact for health and safety issues. The HSO shall assist the FTL on all aspects of health and safety (which includes complying with the enhanced work planning process), and is authorized to stop work at the work site if any operation threatens worker or public health and/or safety. The HSO may be assigned other responsibilities, as stated in other sections of the project HASP, as long as they do not

interfere with the primary responsibilities stated here. The HSO is authorized to verify compliance with directed actions, as appropriate. Other ES&H professionals at the work site (safety coordinator [SC], industrial hygienist [IH], RCT, radiological engineer, environmental compliance coordinator, and facility representative[s]) may support the HSO, as necessary.

Any persons assigned as the HSO, or alternate HSO, must be qualified (per OSHA definition) to recognize and evaluate hazards, and will be given the authority to take or direct actions to ensure that workers are protected. While the HSO may also be the IH, SC, or in some cases the FTL at the work site, (depending on the hazards, complexity and size of the activity involved, and with concurrence from the ER ES&H/QA manager) other task-site responsibilities of the HSO must not conflict (philosophically or in terms of significant added volume of work) with the role of the HSO at the work site.

If it is necessary for the HSO to leave the work site, an alternate individual will be appointed by the HSO to fulfill this role. The identity of the acting HSO will be recorded in the FTL logbook, and work-site personnel will be notified.

### **9.1.5 Industrial Hygienist**

The assigned IH is the primary source for information regarding nonradiological hazardous and toxic agents at the task site. The IH will assist the FTL in completing the JRC, and will assess the potential of worker exposure to hazardous agents according to applicable manuals, MCPs, and accepted industry IH practices and protocol. By participating in work-site characterization, the IH assesses and recommends appropriate hazard controls for the protection of work-site personnel, operates and maintains airborne sampling and monitoring equipment, and reviews for effectiveness, and recommends and assesses the use of PPE required in the project HASP (recommending changes as appropriate).

Following an evacuation, the IH, in conjunction with other recovery team members, will assist the FTL in determining whether conditions exist for safe work-site reentry as described in the project HASP. Personnel showing health effects (signs and symptoms) resulting from possible exposure to hazardous agents will be referred to an Occupational Medical Program physician by the IH, their supervision, or the HSO. The IH may have other duties at the work site, as specified in the project HASP, or in PRDs and/or MCPs. During emergencies involving hazardous materials, airborne sampling and monitoring results will be coordinated with members of the Emergency Response Organization.

### **9.1.6 Radiological Control Technician**

The assigned RCT is the primary source for information and guidance on radiological hazards. The RCT will be present at the job site during any work operations when a radiological hazard to personnel may exist or is specifically anticipated. The RCT will also assist the FTL in completing the JRC. Responsibilities of the RCT include radiological surveying of the work site, equipment, and samples; providing guidance for radioactive decontamination of equipment and personnel; and accompanying affected personnel to the nearest INEEL medical facility for evaluation if significant radiological exposure occurs. The RCT may have other duties at the job site as specified in the project HASP or in PRDs and/or MCPs.

### **9.1.7 Job Site Supervisor**

The job site supervisor (JSS) serves as the representative for the Facilities, Utilities, and Maintenance (FUM) Department, Site Services Branch, at the task site. The JSS is the supervisor of crafts and other FUM personnel assigned to work at the job site. The JSS is the interface between FUM and ER, and works closely with the FTL at the work site to ensure that the objectives of the project are

accomplished in a safe and efficient manner. The JSS and FTL work as a team to accomplish day-to-day operations at the job site; identify and obtain additional resources needed at the job site; and interact with the HSO, IH, SC, RCT, and/or radiological engineer on matters regarding health and safety. The JSS, like the FTL, must be informed about any health and safety issues that arise at the work site and may stop work at the job site if an unsafe condition exists. The JSS also shares the FTL's responsibility for daily prejob briefings.

#### **9.1.8 Subcontractor Job Site Supervisor**

A subcontractor JSS serves as the subcontractor safety representative at the work site. The subcontractor JSS may also serve as the subcontractor PM. The subcontractor JSS is the subcontractor field supervisor for subcontractor personnel assigned to work at the job site. The subcontractor JSS and FTL work as a team to accomplish day-to-day operations at the work site; identify and obtain additional resources needed at the work site; and interact with the HSO, IH, SC, RCT, and/or radiological engineer on matters regarding health and safety. The subcontractor JSS, like the FTL, must be informed about any health and safety issues that arise at the work site and may stop work at the job site if an unsafe condition exists. The subcontractor JSS will provide information to the FTL regarding the nature of their work for input at the daily prejob briefing.

#### **9.1.9 Sampling Team**

The sampling team will perform the onsite tasks necessary to collect, package, and ship samples. Tasks may include the physical collection of sample material, completion of chain-of-custody and shipping request forms, and proper packaging of samples in accepted shipping containers (property labels and sealed coolers). The size and makeup of the sampling team will be dependent on the extent of the sampling task. The IH and RCT will support the sampling team when sampling is performed inside the contamination area. The sampling team may be led by the FTL or a designated sample team lead (STL).

#### **9.1.10 Work Site Personnel**

All work-site personnel shall understand and comply with the requirements of the project HASP. The FTL or JSS will brief work-site personnel at the start of each shift. During the prejob briefing all daily tasks, associated hazards, engineering and administrative controls, required PPE, work control documents, and emergency conditions and actions will be discussed. Input from the project HSO, IH, RCT, and/or radiological engineer to clarify task health and safety requirements will be provided. All personnel are encouraged to ask questions regarding site tasks and provide suggestions on ways to perform required tasks in a more effective manner based on the lessons learned from previous day's activities.

Once at the job site, personnel are responsible for identifying any potentially unsafe situations or conditions and reporting them to the FTL, JSS, or HSO for corrective action. **All work-site personnel are authorized to stop work immediately if they perceive that an unsafe condition poses imminent danger. They must then notify the FTL, JSS, or HSO of the unsafe condition.**

### **9.2 Supporting Personnel**

The following subsections list the expected support personnel.

### **9.2.1 Environmental Restoration Director**

The ER director has ultimate management and operation contractor responsibility for the technical quality of all projects, maintaining a safe environment, and the safety and health of all personnel during field activities performed by or for the ER program. The ER director provides technical coordination and interfaces with DOE-ID. The ER director ensures that

- Project/program activities are conducted according to all applicable federal, state, local, and company requirements and agreements.
- Program budgets and schedules are approved and monitored to be within budgetary guidelines.
- Personnel, equipment, subcontractors, and services are available.
- Direction is provided for the development of tasks, evaluation of findings, development of conclusions and recommendations, and production of reports.

### **9.2.2 INTEC Site Area Director**

The INTEC site area director (SAD) has the authority and responsibility to ensure proper ownership review of all activities within the INTEC facility for all work processes and packages. The SAD's authority includes, but is not limited to, the following:

- Establishing and executing monthly, weekly, and daily operating plans
- Executing the INTEC ES&H/QA program
- Executing the enhanced work planning for INTEC
- Executing the Voluntary Protection Program in the area
- Ensuring environmental compliance within the area
- Executing that portion of the voluntary compliance order that pertains to the area
- Correcting the root cause functions of the accident investigation in the area
- Correcting the root cause functions of the voluntary compliance order for the area.

### **9.2.3 CFA Site Area Director**

Since much of the scope of this project is outside the INTEC fence line, the project activities must be coordinated with CFA management and personnel. The CFA SAD's authority is similar to that described above for the INTEC SAD.

### **9.2.4 ER SH&QA Manager**

The ER safety, health, and quality assurance (SH&QA) manager, or designee, is responsible to ensure that ES&H oversight is provided for all ER programs and projects. This position reports to and is accountable to the ER director. The ER S&H/QA manager performs line management review, inspections, and oversight. Project or program management will bring all ES&H/QA concerns, questions,

comments, and disputes that can not be resolved by the HSO or one of the assigned ES&H professionals to the ER SH&QA manager or the INTEC ES&H/QA manager.

#### **9.2.5 INTEC ES&H/QA Manager**

The INTEC ES&H/QA manager, or designee, is responsible to ensure that ES&H oversight is provided for all ER programs and projects. This position reports to and is accountable to the ER director.

#### **9.2.6 Safety Coordinator**

The assigned SC reviews work packages, periodically observes work-site activity, assesses compliance with the applicable company manuals, signs safe work permits, advises the FTL on required safety equipment, answers questions on safety issues and concerns, and recommends solutions to safety issues and concerns that arise at the work site. The SC shall assist the FTL in completing the JRC. The SC may have other duties at the work site as specified in the project HASP, or in PRDs, and/or MCPs. The fire protection engineer's function is included under SC designation, and is the person assigned to review work packages and perform field assessments for fire protection controls.

#### **9.2.7 Radiological Engineer**

The radiological engineer is the primary source for information and guidance relative to the evaluation and control of radioactive hazards at the work site. If a radiological hazard exists or occurs at the job site, the radiological engineer makes recommendations to minimize health and safety risks to work-site personnel. Responsibilities of the radiological engineer include (1) performing radiation exposure estimates and as low as reasonably achievable evaluations, (2) identifying the types(s) of radiological monitoring equipment necessary for the work, (3) advising the FTL and RCT of changes in monitoring or PPE, and (4) advising personnel on work-site evacuation and reentry. The radiological engineer may also have other duties to perform as specified in the project HASP or in the applicable company manuals.

#### **9.2.8 Environmental Compliance Coordinator**

The assigned environmental compliance coordinator monitors and advises the PM, technical leader, and FTL performing job-site activities on environmental issues and concerns by ensuring compliance with DOE orders, EPA regulations, and other regulations concerning the effect of work-site activities on the environment.

The environment compliance coordinator provides support surveillance services for hazardous waste storage and transport, and surface-water/storm-water runoff control. The environmental compliance coordinator shall assist the FTL in completing the JRC.

#### **9.2.9 Quality Engineer**

The quality engineer provides guidance on the work-site quality issues, when requested. The quality engineer observes work-site activities and verifies that work-site operations comply with quality requirements pertaining to these activities. The quality engineer identifies activities that do not comply or have the potential for not complying with quality requirements and suggests corrective actions.

### **9.2.10 Sample and Analysis Management**

The INEEL SAM has the responsibility to obtain laboratory services as required to meet the needs of this project. They will also ensure that data generated from samples meet the needs of the project by validating all analytical laboratory data to resident protocol, and ensuring that data is reported to the project in a timely fashion as required by the FFA/CO.

The laboratory contracted by the SAM will have overall responsibility for laboratory quality, laboratory cost control, laboratory personnel management, and adherence to agreed-upon laboratory schedules. Responsibilities of the laboratory personnel include preparing analytical reports, ensuring chain-of-custody information is complete, and ensuring all QA/QC procedures are implemented in accordance with SAM task order statements of work and master task agreements generated by the SAM.

### **9.2.11 Integrated Environmental Data Management System Technical Leader**

The IEDMS technical leader will interface with the PM during the preparation of the SAP database. This individual also provides guidance on the appropriate number of field quality control samples required by the QAPjP. The sample numbers used by the project are unique from all others ever assigned by IEDMS. The preparation of the plan database, along with completion of the SAM request services form, initiates the sample tracking and sample waste tracking activities performed by the SAM.

### **9.2.12 Waste Generator Services Personnel**

Waste Generator Services (WGS) personnel provide support to the project in the area of waste segregation, storage, and disposal. For this project a WGS engineer will be assigned to take care of all waste generated from the tasks conducted for this project.

### **9.2.13 Occasional Workers**

All persons who may be on the project work site, but are not part of the field team, are considered occasional workers for the purposes of this project (e.g., surveyor, equipment operator, or other crafts personnel not assigned to the project). A person shall be considered “onsite” when they are present in or beyond the designated support zone. Occasional workers will be deemed occasional site workers per 29 CFR 1910.120 and 29 CFR 1926.65, and must meet minimum training requirements for such workers as described in the OSHA standard and any additional site-specific training as identified in the project HASP.

All occasional workers, including contractor and subcontractor employees who are not working on the project, or nonessential representatives of DOE and/or state and federal regulatory agencies, may not proceed beyond the support zone without receiving job-specific HASP training, signing the job-specific HASP training acknowledgment form, receiving a full safety briefing, wearing the appropriate PPE, and providing proof of meeting the minimum training requirements specified in the project HASP. A fully trained job-site representative (such as the FTL, JSS, HSO, or a designated alternate) will escort occasional workers at all times while on the task site.

### **9.2.14 Visitors**

All visitors with official business at the project task site, including contractor and subcontractor personnel, representatives of DOE, and/or state or federal regulatory agencies, may not proceed beyond the support zone without receiving project-specific HASP training, signing the HASP training acknowledgment form, receiving a full safety briefing, wearing the appropriate PPE, and providing proof



of meeting the minimum training requirements as specified in the project HASP. A fully trained job-site representative (such as the FTL, JSS, HSO or a designated alternate) will escort visitors at all times while at the work site.

A casual visitor to the work site is a person who does not have a specific task to perform or other official business to conduct at the work site. **Casual visitors are not permitted at the job site(s) for the Group 5 groundwater sampling and monitoring.**

## 10. WASTE MANAGEMENT

Remediation-derived waste generated during the OU 3-13, Group 5, groundwater sampling may include the following:

- Contaminated PPE, wipes, bags, and other refuse
- Contaminated sampling equipment
- Purge water
- Used sample containers and disposable sampling equipment
- Aqueous and liquid organic analytical wastes
- Analytical debris (e.g., glassware, pipettes).

The disposition and handling of waste for this project will be consistent with the project-specific WMP for OU 3-13, Group 5 groundwater (DOE-ID 2003). However, field personnel will be responsible for the initial segregation of waste based on sampling conditions and/or location. The segregation of waste will play an important role in the reduction of waste generated by this project.

## **11. HEALTH AND SAFETY**

Work performed for the Group 5 LTMP will be performed in accordance with the project HASP (INEEL 2003).

## 12. DOCUMENT MANAGEMENT

Subsection 12.1 summarizes document management and sample control. Documentation includes field logbooks used to record field data and sampling procedures, chain-of-custody forms, and sample container labels. The analytical results from this field investigation will be documented in reports.

### 12.1 Documentation

The FTL will be responsible for controlling and maintaining all field documents and records, and for verifying that all required documents to be submitted to the INEEL SAM are maintained in good condition. All entries will be made in indelible black ink. Errors will be corrected by drawing a single line through the error, and entering the correct information. All corrections will be initialed and dated.

#### 12.1.1 Sample Container Labels

Waterproof, gummed labels generated from the SAP database will display information such as the unique sample identification number, the name of the project, sample location, and analysis type. Labels will be completed and placed on the containers in the field before collecting the sample. Sample team members will provide information necessary for label completion. Such information may include sample date, time, preservative used, field measurements of hazards, and the sampler's initials.

#### 12.1.2 Field Guidance Form

Field guidance forms, provided for each sample location, will be generated from the SAP database, to ensure unique sample numbers. These forms are used to facilitate sample container documentation and organization of field activities, and contain information regarding the following:

- Media
- Sample ID numbers
- Sample location
- Aliquot ID
- Analysis type
- Container size and type
- Sample preservation.

#### 12.1.3 Field Logbooks

In accordance with INEEL SAM format, field logbooks will be used to record information necessary to interpret the analytical data. All field logbooks will be controlled and managed to assure the integrity of the record in accordance with Section XX of the FFA/CO.

**12.1.3.1 Sample/Shipping Logbook.** Sample logbooks will be used by the field teams. Each sample logbook will contain information such as:

- Physical measurements (if applicable)

- All quality control samples
- Shipping information (e.g., collection dates, shipping dates, cooler ID number, destination, chain-of-custody number, name of shipper)
- All team activities
- Problems encountered
- Visitor log
- List of site contacts.

This logbook will be signed and dated at the end of each day's sampling activities.

**12.1.3.2 Field Instruments Calibration/Standardization Logbook.** A logbook containing records of calibration data will be maintained for each piece of equipment requiring periodic calibration or standardization. This logbook will contain logsheets to record the date, time, method of calibration, and instrument ID number.

**12.1.3.3 Field Team Leader's Daily Logbook.** A project logbook maintained by the FTL will contain a daily summary of the following:

- All field team activities
- Visitor log
- List of site contacts
- Problems encountered
- Any corrective actions taken as a result of field audits.

This logbook will be signed and dated at the end of each day's sampling activities.

### 13. REFERENCES

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**Appendix A**

**INTEC Area Aquifer Well Construction Summary**



Table A-1. The INTEC area aquifer well construction summary.

| INEEL Name     | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy       |
|----------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|-------------------------------------|
| CPP-1          | 1950           | 296675                         | 696666                          | 4913           | 586              | 0.0                                 | 585.5                | 20.0           | 459.90                               | 485.90               | 16.0           | P           | No log in anderson database         |
|                |                |                                |                                 |                |                  |                                     |                      |                | 527.40                               | 576.80               | 16.0           | P           |                                     |
| CPP-2          | 1951           | 296166                         | 696665                          | 4915           | 605              | 0.0                                 | 605.3                | 24.0           | 458.30                               | 483.30               | 16.0           | P           | TOS in I(2) flow, BOS in K(1) flow  |
|                |                |                                |                                 |                |                  |                                     |                      |                | 551.10                               | 600.25               | 16.0           | P           | HI interbed 350 to 361 ft           |
| CPP-3          | 1950           | 296569                         | 694813                          | 4914           | 598              | 0.0                                 | 598.0                | 24.0           | 412.00                               | 452.00               | 16.0           | P           | TOS in DE(7) flow, BOS in I(2) flow |
|                |                |                                |                                 |                |                  |                                     |                      |                | 417.00                               | 422.00               | 10.0           | P           | HI interbed 519 to 526 ft           |
|                |                |                                |                                 |                |                  |                                     |                      |                | 430.00                               | NF                   | 12.0           | P           |                                     |
|                |                |                                |                                 |                |                  |                                     |                      |                | 445.00                               | 588.00               | 10.0           | P           |                                     |
|                |                |                                |                                 |                |                  |                                     |                      |                | 490.00                               | 593.00               | 16.0           | P           |                                     |
| CPP-4          | 1983           | 297948                         | 697487                          | 4907           | 700              | 0.0                                 | 50.0                 | 30.0           | 450.00                               | 700.00               | 12.0           | P           | TOS in E(1) flow, BOS in J(1) flow  |
|                |                |                                |                                 |                |                  | 50.0                                | 130.0                | 24.0           |                                      |                      |                |             | HI interbed not present???          |
|                |                |                                |                                 |                |                  | 130.0                               | 450.0                | 20.0           |                                      |                      |                |             |                                     |
|                |                |                                |                                 |                |                  | 450.0                               | 700.0                | 16.0           |                                      |                      |                |             |                                     |
| ICPP-MON-A-021 | 1995           | 298848                         | 697457                          | 4904           | 486              | 0.0                                 | 22.0                 | 22.0           | 450.50                               | 480.50               | 5.0            | SLS         |                                     |
|                |                |                                |                                 |                |                  | 22.0                                | 27.5                 | 17.5           |                                      |                      |                |             |                                     |
|                |                |                                |                                 |                |                  | 27.5                                | 485.5                | 9.8            |                                      |                      |                |             |                                     |
| ICPP-MON-A-022 | 1995           | 298828                         | 695336                          | 4907           | 585              | 0.0                                 | 510.0                |                | 490.00                               | 510.00               | 5.0            | SLS         |                                     |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy                 |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|---|
| LF2-08     | 1988           | 294362                         | 682879                          | 4932           | 526              | 0.0                                 | 526.0                | 12.0           | 483.50                               | 495.00               | 6.0            | SL S        | TOS in E(1) flow, BOS in E(1) flow            |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | HI interbed not encountered                   |
| LF2-09     | 1988           | 294198                         | 682901                          | 4932           | 676              | 0.0                                 | 676.0                | 10.0           | 469.60                               | 497.00               | 4.0            | SL S        | TOS in DE8(1) flow, BOS in E(1) flow          |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | H interbed encountered 625 to 639 (TD)        |
| LF2-10     | 1988           | 294274                         | 682831                          | 4932           | 816              | 0.0                                 | 627.0                | 12.0           | 725.00                               | 735.00               | 6.0            | P           | TOS in I(1) flow, BOS in I(2) flow            |
|            |                |                                |                                 |                |                  |                                     |                      |                | 735.00                               | 745.00               | 6.0            | P           | Interbeds: H(1) 620 to 641, HI(1) 641 to 669, |
|            |                |                                |                                 |                |                  | 627.0                               | 820.0                | 8.0            | 755.00                               | 765.00               | 6.0            | WW          | IJ(1) interbed 803 to 810                     |
| LF2-11     | 1989           | 295463                         | 684292                          | 4928           | 511              | 0.0                                 | 510.9                | 10.0           | 466.00                               | 499.00               | 4.0            | SL S        | TOS in DE8(1) flow, BOS in DE8(1) flow        |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | HI interbed not encountered                   |
| LF2-12     | 1990           | 294022                         | 682926                          | 4933           | 517              |                                     |                      |                | 470.00                               | 492.00               |                |             | TOS in DE8(1) flow, BOS in DE8(1) flow        |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | HI interbed not encountered                   |
| LF3-08     | 1988           | 291544                         | 683112                          | 4940           | 525              | 0.0                                 | 525.0                | 12.0           | 500.00                               | 510.00               | 6.0            | SL S        | TOS in E(1) flow, BOS in E(1) flow            |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | HI interbed not encountered                   |
| LF3-09     | 1990           | 291518                         | 682825                          | 4941           | 517              |                                     |                      |                | 480.00                               | 500.00               |                |             | TOS in DE8(1) flow, BOS in DE8(1) flow        |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy  |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|--|
| LF3-10     | 1990           | 290880                         | 683530                          | 4943           | 530              |                                     |                      |                | 481.00                               | 501.00               |                |             | HI interbed not encountered<br>TOS in DE8(1) flow, BOS in DE8(1) flow                                  |
| LF3-11     | 1990           | 292687                         | 686244                          | 4934           | 532              |                                     |                      |                | 472.20                               | 492.20               |                |             | HI interbed not encountered<br>TOS in DE8(1) flow, BOS in DE8(1) flow                                  |
| USGS-20    | 1951           | 301229                         | 686527                          | 4916           | 676              | 0.0<br>404.0                        | 404.0<br>676.0       | 12.0<br>8.0    | 471.17<br>511.82                     | 480.98<br>552.73     | 6.3<br>6.3     | P<br>P      | WL in E(1) flow<br>TOS in E(1) flow, BOS in F(1) flow  |
| USGS-34    | 1954           | 292739                         | 690799                          | 4930           | 700              | 0.0<br>363.0                        | 363.0<br>499.0       | 16.0<br>13.0   | 499.00                               | 700.00               | 8.0            | OH          | H(1) and HI(1) interbeds 611 to 676<br>WL in E(1) flow<br>TOS in E(1) flow, BOS in J(1) flow           |
| USGS-35    | 1955           | 292495                         | 691251                          | 4930           | 578.5            | 0.0<br>39.0                         | 39.0<br>144.5        | >12<br>10.0    | 142.50                               | 578.50               | 7.0            | OH          | Interbeds: GH(1) 580 to 584, HI(1) 593 to 597<br>WL in E(1) flow<br>TOS in D(1) flow, BOS in H(1) flow |
| USGS-36    | 1955           | 292977                         | 690358                          | 4930           | 567.1            | 0.0                                 | 37.0                 | 12.0           | 431.70                               | 567.10               | 6.0            | OH          | Interbeds not encountered below WL<br>WL in E(1) flow  |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy                 |
|------------|----------------|--------------------------------|---------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|---|
|            |                |                                |               |                |                  | 37.0                                | 394.7                | 8.0            |                                      |                      |                |             | TOS in DE8(1) flow, BOS in G(1) flow          |
|            |                |                                |               |                |                  | 394.7                               | 567.1                | 6.0            |                                      |                      |                |             | Interbeds not encountered below WL            |
| USGS-37    | 1955           | 293222                         | 689920        | 4930           | 573              | 0.0                                 | 41.5                 | 12.0           | 507.00                               | 571.50               | 6.0            | OH          | WL in E(1) flow                               |
|            |                |                                |               |                |                  | 41.5                                | 197.0                | 10.0           |                                      |                      |                |             | TOS in EF(1) flow, BOS in G(1) flow           |
|            |                |                                |               |                |                  | 197.0                               | 507.0                | 8.0            |                                      |                      |                |             | Interbeds not encountered below WL            |
|            |                |                                |               |                |                  | 507.0                               | 573.0                | 6.0            |                                      |                      |                |             |   |
| USGS-38    | 1955           | 293575                         | 689567        | 4930           | 729              | 0.0                                 | 26.0                 | 12.0           | 678.00                               | 729.00               | 4.0            | OH          | WL in E(1) flow                               |
|            |                |                                |               |                |                  | 26.0                                | 156.0                | 10.0           |                                      |                      |                |             | TOS in I(2) flow, BOS in J(1) flow            |
|            |                |                                |               |                |                  | 156.0                               | 505.0                | 8.0            |                                      |                      |                |             | Interbeds: HI(1) 596 to 601, II(1) 700 to 705 |
|            |                |                                |               |                |                  | 505.0                               | 729.0                | 6.0            |                                      |                      |                |             |   |
| USGS-39    | 1955           | 292258                         | 691691        | 4933           | 572              | 0.0                                 | 48.0                 | 12.0           | 46.60                                | 571.89               | varies         | OH          | WL in E(1) flow                               |
|            |                |                                |               |                |                  | 48.0                                | 152.0                | 10.0           |                                      |                      |                |             | TOS in B(1) flow, BOS in HI(1) interbed       |
|            |                |                                |               |                |                  | 152.0                               | 507.0                | 8.0            |                                      |                      |                |             | Interbeds: HI(1) 568 to 572                   |
|            |                |                                |               |                |                  | 507.0                               | 572.0                | 6.0            |                                      |                      |                |             |   |
| USGS-40    | 1956           | 295936                         | 694539        | 4916           | 678.8            | 0.0                                 | 220.0                | 11.5           | 456.17                               | 678.80               | 4.0            | P           | WL in EF(1) flow                              |
|            |                |                                |               |                |                  | 220.0                               | 447.0                | 8.0            |                                      |                      |                |             | TOS in E(1) flow, BOS in I(2) flow            |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy              |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|--|
|            |                |                                |                                 |                |                  | 447.0                               | 678.8                | 6.0            |                                      |                      | 6.0            |             | Interbeds: HI(1) 527 to 527                |
| USGS-41    | 1956           | 295936                         | 694138                          | 4917           | 674.4            | 0.0                                 | 428.1                | 8.0            | 428.09                               | 674.40               | 6.0            | OH          | WL in EF(1) flow                           |
|            |                |                                |                                 |                |                  | 428.1                               | 674.4                | 6.0            |                                      |                      |                |             | TOS in DE8(1) flow, BOS in J(1) flow       |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | Interbeds: HI(1) 530 to 534                |
| USGS-42    | 1957           | 295936                         | 693637                          | 4918           | 678.45           | 0.0                                 | 34.0                 | 12.0           | 452.52                               | 678.45               | 6.0            | OH          | WL in EF(1) flow                           |
|            |                |                                |                                 |                |                  | 34.0                                | 452.5                | 10.0           |                                      |                      |                |             | TOS in EF(1) flow, BOS in J(1) flow        |
|            |                |                                |                                 |                |                  | 452.5                               | 678.5                | 6.0            |                                      |                      |                |             | Interbeds: none encountered below WL       |
| USGS-43    | 1957           | 295720                         | 694857                          | 4916           | 675.8            | 0.0                                 | 54.0                 | 12.0           | 450.54                               | 675.80               | 6.0            | OH          | WL in F(1) flow                            |
|            |                |                                |                                 |                |                  | 54.0                                | 450.5                | 10.0           |                                      |                      |                |             | TOS in E(1) flow, BOS in J(1) flow         |
|            |                |                                |                                 |                |                  | 450.5                               | 675.8                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 516 to 520                |
| USGS-44    | 1957           | 295248                         | 694242                          | 4919           | 650              | 0.0                                 | 35.0                 | 12.0           | 461.00                               | 650.00               | 6.0            | OH          | WL in E(1) flow                            |
|            |                |                                |                                 |                |                  | 35.0                                | 385.0                | 10.0           |                                      |                      |                |             | TOS in EF(1) flow, BOS in I(2) flow        |
|            |                |                                |                                 |                |                  | 385.0                               | 461.0                | 8.0            |                                      |                      |                |             | Interbeds: none encountered below WL, also |
|            |                |                                |                                 |                |                  | 461.0                               | 650.0                | 6.0            |                                      |                      |                |             | Note H flow not encountered this borehole  |
| USGS-45    | 1957           | 295490                         | 693598                          | 4920           | 651.21           | 0.0                                 | 53.0                 | 12.0           | 461.00                               | 651.51               | 6.0            | OH          | WL in EF(1) flow                           |



Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy               |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|---|
|            |                |                                |                                 |                |                  | 53.0                                | 133.0                | 10.0           |                                      |                      |                |             | TOS in E(1) flow, BOS in I(2) flow          |
|            |                |                                |                                 |                |                  | 133.0                               | 461.0                | 8.0            |                                      |                      |                |             | Interbeds: HI(1) 541 to 550                 |
|            |                |                                |                                 |                |                  | 461.0                               | 651.2                | 6.0            |                                      |                      |                |             |   |
| USGS-46    | 1958           | 295722                         | 694023                          | 4917           | 650.86           | 0.0                                 | 45.0                 | 12.0           | 461.33                               | 650.86               | 6.0            | OH          | WL in E(1) flow                             |
|            |                |                                |                                 |                |                  | 45.0                                | 268.0                | 10.0           |                                      |                      |                |             | TOS in E(1) flow, BOS in I(2) flow          |
|            |                |                                |                                 |                |                  | 268.0                               | 461.3                | 8.0            |                                      |                      |                |             | Interbeds: HI(1) 542 to 548                 |
|            |                |                                |                                 |                |                  | 461.3                               | 650.9                | 6.0            |                                      |                      |                |             |   |
| USGS-47    | 1958           | 296572                         | 694110                          | 4916           | 651.3            | 0.0                                 | 41.0                 | 12.0           | 458.14                               | 651.30               | 6.0            | OH          | WL in E(1) flow                             |
|            |                |                                |                                 |                |                  | 41.0                                | 460.0                | 8.0            |                                      |                      |                |             | TOS in E(1) flow, BOS in I(2) flow          |
|            |                |                                |                                 |                |                  | 460.0                               | 651.3                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 532 to 537                 |
| USGS-48    | 1958           | 296612                         | 693414                          | 4917           | 750              | 0.0                                 | 32.0                 | 12.0           | 462.10                               | 750.00               | 6.0            | OH          | WL in E(1) flow                             |
|            |                |                                |                                 |                |                  | 32.0                                | 462.1                | 8.0            |                                      |                      |                |             | TOS in E(1) flow, BOS in K(1) interbed      |
|            |                |                                |                                 |                |                  | 462.1                               | 750.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 549 to 552, K(1) 739 to TD |
| USGS-49    | 1960           | 297232                         | 693640                          | 4913           | 656              | 0.0                                 | 129.0                | 16.0           | 458.29                               | 656.00               | 6.0            | OH          | WL in DE8(1) flow                           |
|            |                |                                |                                 |                |                  | 129.0                               | 458.0                | 8.0            |                                      |                      |                |             | TOS in DE8(1) flow, BOS in I(2) flow        |
|            |                |                                |                                 |                |                  | 458.0                               | 656.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 540 to 542                 |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy        |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|--------------------------------------|
| USGS-51    | 1960           | 296348                         | 692343                          | 4918           | 659              | 0.0                                 | 68.0                 | 12.0           | 475.20                               | 659.00               | 6.0            | OH          | WL in E(1) flow                      |
|            |                |                                |                                 |                |                  | 68.0                                | 475.2                | 8.0            |                                      |                      |                |             | TOS in E(1) flow, BOS in I(2) flow   |
|            |                |                                |                                 |                |                  | 475.2                               | 659.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 561 to 565          |
| USGS-52    | 1959           | 297968                         | 694831                          | 4910           | 650              | 0.0                                 | 248.0                | 16.0           | 450.00                               | 650.00               | 6.0            | OH          | WL in DE7(1) flow                    |
|            |                |                                |                                 |                |                  | 248.0                               | 264.0                | 12.0           |                                      |                      |                |             | TOS in DE6(1) flow, BOS in I(2) flow |
|            |                |                                |                                 |                |                  | 264.0                               | 450.0                | 10.0           |                                      |                      |                |             | Interbeds: HI(1) 526 to 531          |
|            |                |                                |                                 |                |                  | 450.0                               | 650.0                | 6.0            |                                      |                      |                |             |                                      |
| USGS-57    | 1960           | 294867                         | 691752                          | 4923           | 732              | 0.0                                 | 52.0                 | 12.0           | 477.00                               | 732.00               | 6.0            | OH          | WL in E(1) flow                      |
|            |                |                                |                                 |                |                  | 52.0                                | 465.0                | 10.0           |                                      |                      |                |             | TOS in E(1) flow, BOS in J(1) flow   |
|            |                |                                |                                 |                |                  | 465.0                               | 732.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 567 to 572          |
| USGS-59    | 1960           | 297685                         | 692760                          | 4915           | 657              | 0.0                                 | 49.0                 | 12.0           | 464.00                               | 657.00               | 6.0            | OH          | WL in E(1) flow                      |
|            |                |                                |                                 |                |                  | 49.0                                | 291.0                | 10.0           |                                      |                      |                |             | TOS in E(1) flow, BOS in I(2) flow   |
|            |                |                                |                                 |                |                  | 291.0                               | 464.0                | 8.0            |                                      |                      |                |             | Interbeds: HI(1) 554 to 558          |
|            |                |                                |                                 |                |                  | 464.0                               | 657.0                | 6.0            |                                      |                      |                |             |                                      |
| USGS-67    | 1960           | 298201                         | 691726                          | 4916           | 694              | 0.0                                 | 40.0                 | 12.0           | 465.00                               | 552.00               | 6.0            | OH          | WL in DE8(1) flow                    |
|            |                |                                |                                 |                |                  | 40.0                                | 465.0                | 10.0           | 635.00                               | 694.00               | 4.0            | OH          | TOS in DE8(1) flow, BOS in I(2) flow |
|            |                |                                |                                 |                |                  | 465.0                               | 635.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) flow 572 to 590     |
|            |                |                                |                                 |                |                  | 635.0                               | 694.0                | 4.0            |                                      |                      |                |             |                                      |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy                |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|--|
| USGS-77    | 1962           | 296490                         | 688820                          | 4923           | 610              | 0.0                                 | 126.0                | 12.0           | 470.00                               | 610.00               | 6.0            | OH          | WL in EF(1) flow                             |
|            |                |                                |                                 |                |                  | 126.0                               | 470.0                | 10.0           |                                      |                      |                |             | TOS in EF(1) flow, BOS in F(1) flow          |
|            |                |                                |                                 |                |                  | 470.0                               | 610.0                | 6.0            |                                      |                      |                |             | Interbeds: none encountered below WL         |
| USGS-82    | 1962           | 300453                         | 693410                          | 4908           | 700              | 0.0                                 | 460.0                | 12.0           | 469.00                               | 561.00               | 6.6            | P           | WL in DE6(1) flow                            |
|            |                |                                |                                 |                |                  | 460.0                               | 593.0                | 8.0            | 593.00                               | 700.00               | 6.0            | OH          | TOS in DE6(1) flow, BOS in J(1) flow         |
|            |                |                                |                                 |                |                  | 593.0                               | 700.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 557 to 566                  |
| USGS-84    | 1962           | 289284                         | 693066                          | 4939           | 505              | 0.0                                 | 84.0                 | 12.0           | 324.00                               | 505.00               | 6.0            | OH          | WL in FG(1) flow                             |
|            |                |                                |                                 |                |                  | 84.0                                | 324.0                | 10.0           |                                      |                      |                |             | TOS in DE6(1) flow, BOS in G(1) flow         |
|            |                |                                |                                 |                |                  | 324.0                               | 505.0                | 6.0            |                                      |                      |                |             | Interbeds: none encountered below WL         |
| USGS-85    | 1962           | 291434                         | 685922                          | 4940           | 637              | 0.0                                 | 68.0                 | 12.0           | 522.00                               | 637.00               | 6.0            | OH          | WL in E(1) flow                              |
|            |                |                                |                                 |                |                  | 68.0                                | 522.0                | 10.0           |                                      |                      |                |             | TOS in E(2) flow, BOS in HI(1) interbed      |
|            |                |                                |                                 |                |                  | 522.0                               | 637.0                | 6.0            |                                      |                      |                |             | Interbeds: HI(1) 611 to 631, HI(1) 631 to TD |
| USGS-111   | 1984           | 296386                         | 690432                          | 4920           | 595              | 0.0                                 | 440.0                | 10.0           | 430.00                               | 440.00               | 8.0            | P           | WL in DE8(1) flow                            |
|            |                |                                |                                 |                |                  | 440.0                               | 595.0                | 8.0            | 440.00                               | 600.00               | 8.0            | OH          | TOS in DE7-8(1), BOS in F(1) flow            |
|            |                |                                |                                 |                |                  |                                     |                      |                |                                      |                      |                |             | Interbeds: none encountered below WL         |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy              |
|------------|----------------|--------------------------------|---------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|--|
| USGS-112   | 1984           | 294488                         | 688763        | 4927           | 563              | 0.0                                 | 432.0                | 10.0           | 432.00                               | 563.00               | 8.0            | OH          | WL in E(1) flow                            |
|            |                |                                |               |                |                  | 432.0                               | 563.0                | 8.0            |                                      |                      |                |             | TOS in DE8(1) flow, BOS in F(1) flow       |
|            |                |                                |               |                |                  |                                     |                      |                |                                      |                      |                |             | Interbeds: none encountered below WL       |
| USGS-113   | 1984           | 295405                         | 688758        | 4925           | 564              | 0.0                                 | 445.0                | 8.0            | 445.00                               | 564.00               | 6.0            | OH          | WL in E(1) flow                            |
|            |                |                                |               |                |                  | 445.0                               | 564.0                | 6.0            |                                      |                      |                |             | TOS in DE8(1) flow, BOS in F(1) flow       |
|            |                |                                |               |                |                  |                                     |                      |                |                                      |                      |                |             | Interbeds: none encountered below WL       |
| USGS-114   | 1984           | 297438                         | 689178        | 4920           | 562.5            | 0.0                                 | 440.0                | 8.0            | 440.00                               | 562.00               | 6.0            | OH          | WL in E(1) flow                            |
|            |                |                                |               |                |                  | 440.0                               | 562.5                | 6.0            |                                      |                      |                |             | TOS in DE7(1) flow, BOS in F(1) flow       |
|            |                |                                |               |                |                  |                                     |                      |                |                                      |                      |                |             | Interbeds: none encountered below WL       |
| USGS-115   | 1984           | 298129                         | 689307        | 4919           | 581              | 0.0                                 | 440.0                | 8.0            | 440.00                               | 581.00               | 6.0            | OH          | WL in E(1) flow                            |
|            |                |                                |               |                |                  | 440.0                               | 581.0                | 6.0            |                                      |                      |                |             | TOS in DE7(1) flow, BOS in FG(1) flow      |
|            |                |                                |               |                |                  |                                     |                      |                |                                      |                      |                |             | Interbeds: none encountered below WL       |
| USGS-116   | 1984           | 298782                         | 690449        | 4916           | 580              | 0.0                                 | 400.0                | 8.0            | 400.00                               | 580.00               | 6.0            | OH          | WL in E(1) flow                            |
|            |                |                                |               |                |                  | 400.0                               | 580.0                | 6.0            |                                      |                      |                |             | TOS in DE7-8(1) interbed, BOS in G(1) flow |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy                            |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|--|
| USGS-121   | 1990           | 296599                         | 698362                          | 4910           | 745.8            | 0.0                                 | 39.2                 | 16.0           | 449.00                               | 475.00               | 6.0            | SL S        | Interbeds: none encountered below WL<br>WL in EF(1) flow |
|            |                |                                |                                 |                |                  | 39.2                                | 444.0                | 11.9           |                                      |                      |                |             | TOS in E(1) flow, BOS in EF(1) flow                      |
|            |                |                                |                                 |                |                  | 444.0                               | 495.2                | 7.9            |                                      |                      |                |             | Interbeds: HI(1) 517 to 522, K(1) 734 to TD              |
|            |                |                                |                                 |                |                  | 495.2                               | 533.0                | 3.7            |                                      |                      |                |             |  |
|            |                |                                |                                 |                |                  | 533.0                               | 745.0                | 3.0            |                                      |                      |                |             |  |
| USGS-122   | 1990           | 297423                         | 692680                          | 4915           | 482.8            | 0.0                                 | 30.0                 | 16.0           | 448.00                               | 475.00               | 3.0            | SL S        | WL in DE8(1) flow  |
|            |                |                                |                                 |                |                  | 30.0                                | 287.0                | 11.9           |                                      |                      |                |             | TOS in DE8(1) flow, BOS in E(1) flow                     |
|            |                |                                |                                 |                |                  | 287.0                               | 444.0                | 7.9            |                                      |                      |                |             | Interbeds: DE9(1) 466 to 471                             |
|            |                |                                |                                 |                |                  | 444.0                               | 482.8                | 3.9            |                                      |                      |                |             |  |
| USGS-123   | 1990           | 295776                         | 692519                          | 4920           | 744.2            | 0.0                                 | 40.0                 | 16.0           | 449.50                               | 475.30               | 6.0            | SL S        | WL in EF(1) flow   |
|            |                |                                |                                 |                |                  | 40.0                                | 442.0                | 11.9           |                                      |                      |                |             | TOS in EF(1) flow, BOS in FG(1) flow                     |
|            |                |                                |                                 |                |                  | 442.0                               | 503.0                | 7.9            |                                      |                      |                |             | Interbeds: HI(1) 559 to 563, II(1) 684 to 689            |
|            |                |                                |                                 |                |                  | 503.0                               | 744.2                | 3.7            |                                      |                      |                |             | K(1) 736 to TD   |
| CPP-A44    | 1973           | 296983                         | 695698                          | 4915           | 40               | 0.0                                 | 40.0                 | 8.0            | 29.60                                | 39.60                | 2.0            | p           |  |
| CPP-A50    | 1973           | 296767                         | 695682                          | 4919           | 33               | 0.0                                 | 33.0                 | 8.0            | 20.50                                | 30.50                | 2.0            | p           |  |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|-------------------------------|
| CPP-A56    |                | 296911                         | 695517                          | 4919           | ~41              | 0.0                                 | 41.0                 | 8.0            | 30.00                                | 40.00                | 2.0            | p           |                               |
| CPP-33-1   | 1991           | 296951                         | 695394                          |                | 29.5             | 0.0                                 | 29.5                 | 6.3            |                                      |                      |                |             |                               |
| CPP-33-2   | 1990           | 296638                         | 695385                          |                | 114.8            | 0.0                                 | 43.2                 | 10.5           |                                      |                      |                |             |                               |
| CPP-33-3   | 1990           | 296659                         | 695806                          |                | 126.4            | 43.2                                | 114.5                | 6.3            | 85.80                                | 105.80               | 2.0            | SLS         |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 45.8                 | 10.5           | 111.80                               | 122.00               | 2.0            | SLS         |                               |
|            |                |                                |                                 |                |                  | 45.8                                | 125.2                | 6.3            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 125.2                               | 126.4                | 3.8            |                                      |                      |                |             |                               |
| CPP-33-4-1 | 1990           | 297010                         | 696045                          |                | 124              | 0.0                                 | 123.0                | 9.0            | 98.20                                | 118.50               | 2.0            | SLS         |                               |
|            |                |                                |                                 |                |                  | 123.0                               | 124.0                | 3.3            |                                      |                      |                |             |                               |
| CPP-33-4-2 | 1990           | 297000                         | 696045                          |                | 34.3             | 0.0                                 | 34.3                 | 9.0            | 20.50                                | 30.70                | 2.0            | SLS         |                               |
| CPP-55-06  | 1990           | 297561                         | 695055                          | 4912           | 122.9            | 0.0                                 | 43.9                 | 8.0            | 93.10                                | 113.10               | 2.0            | SLS         |                               |
|            |                |                                |                                 |                |                  | 43.9                                | 122.9                | 5.3            |                                      |                      |                |             |                               |
| MW-1       | 1993           | 296097                         | 694730                          |                | 395              | 0.0                                 | 50.0                 | 24.0           | 325                                  | 336                  | 4.0            | sl-pvc      |                               |
|            |                |                                |                                 |                |                  | 50.0                                | 165.0                | 11.9           | 359                                  | 369                  | 4.0            | sl-pvc      |                               |
|            |                |                                |                                 |                |                  | 165.0                               | 395.0                | 7.9            |                                      |                      |                |             |                               |
| MW-2       | 1993           | 297262                         | 695285                          |                | 127              | 0.0                                 | 50.0                 | 10.5           | 102                                  | 112                  | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 50.0                                | 127.0                | 5.6            |                                      |                      |                |             |                               |
| MW-3       | 1993           | 296396                         | 695215                          |                | 151.3            | 0.0                                 | 58.0                 | 10.5           | 125.5                                | 138.5                | 2.0            | SLS         |                               |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|-------------------------------|
| MW-4       | 1993           | 297827                         | 695375                          |                | 131              | 58.0                                | 151.3                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 44.0                 | 10.5           | 100.6                                | 110.6                | 2.0            | pvc         |                               |
| MW-5       | 1993           | 297063                         | 695109                          |                | 141              | 44.0                                | 131.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 48.0                 | 10.5           | 106.5                                | 126.5                | 2.0            | SLS         |                               |
| MW-6       | 1993           | 296320                         | 695690                          |                | 161              | 48.0                                | 141.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 53.0                 | 10.5           | 117                                  | 137                  | 2.0            | pvc         |                               |
| MW-7       | 1993           | 296726                         | 693208                          |                | 177              | 53.0                                | 161.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 35.0                 | 10.5           | 132                                  | 142                  | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 35.0                                | 177.0                | 5.6            |                                      |                      |                |             |                               |
| MW-8       | 1993           | 297514                         | 694805                          |                | 141              |                                     |                      |                |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 46.0                 | 10.5           | 115                                  | 125                  | 2.0            | pvc         |                               |
| MW-9       | 1993           | 296357                         | 693168                          |                | 159              | 46.0                                | 141.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 35.0                 | 10.5           | 120                                  | 130                  | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 35.0                                | 159.0                | 5.6            |                                      |                      |                |             |                               |
| MW-10      | 1993           | 297077                         | 695355                          |                | 181              |                                     |                      |                |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 141.0                | 10.5           | 141                                  | 151                  | 2.0            | pvc         |                               |
| MW-11      | 1993           | 296853                         | 694434                          |                | 150.5            | 141.0                               | 181.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 47.0                 | 10.5           | 131                                  | 136                  | 2.0            | pvc         |                               |
| MW-12      | 1994           | 297333                         | 695106                          |                | 153              | 47.0                                | 150.5                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 46.0                 | 10.5           | 108                                  | 118                  | 2.0            | pvc         |                               |
| MW-13      | 1994           | 296561                         | 693106                          |                | 128              | 46.0                                | 153.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 34.0                 | 10.5           | 100                                  | 105                  | 2.0            | pvc         |                               |
| MW-14      | 1994           | 296503                         | 693594                          |                | 138              | 34.0                                | 128.0                | 5.6            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 0.0                                 | 30.5                 | 10.5           | 94                                   | 104                  | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 30.5                                | 138.0                | 5.6            |                                      |                      |                |             |                               |

Table A-1. (continued).

| INEEL Name | Year Installed | Monument Location Easting (ft) | Monument Location Northing (ft) | Elevation (ft) | Total Depth (ft) | Borehole Diameter Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Information Depth to Top (ft) | Depth to Bottom (ft) | Diameter (in.) | Screen Type | Notes On Aquifer Stratigraphy |
|------------|----------------|--------------------------------|---------------------------------|----------------|------------------|-------------------------------------|----------------------|----------------|--------------------------------------|----------------------|----------------|-------------|-------------------------------|
| MW-15      | 1994           | 296608                         | 693060                          |                | 143              | 0.0                                 | 34.0                 | 10.5           | 111.3                                | 131.3                | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 34.0                                | 143.0                | 5.6            |                                      |                      |                |             |                               |
| MW-16      | 1994           | 296649                         | 693173                          |                | 126              | 0.0                                 | 33.0                 | 10.5           | 97                                   | 107                  | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 33.0                                | 126.0                | 5.6            |                                      |                      |                |             |                               |
| MW-17      | 1994           |                                |                                 |                | 381              | 0.0                                 | 32.0                 | 24.0           | 263.8                                | 273.8                | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 32.0                                | 210.0                | 11.9           |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 210.0                               | 377.5                | 7.9            |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 377.5                               | 381.0                | 4.0            |                                      |                      |                |             |                               |
| MW-18      | 1994           |                                |                                 |                | 492              | 0.0                                 | 46.4                 | 24.0           | 458.5                                | 478.5                | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 46.4                                | 136.0                | 11.9           |                                      |                      |                |             |                               |
|            |                |                                |                                 |                |                  | 138.0                               | 492.0                | 7.9            |                                      |                      |                |             |                               |
| MW-20      | 1994           |                                |                                 |                | 151.5            | 0.0                                 | 46.5                 | 10.5           | 133.2                                | 143.2                | 2.0            | pvc         |                               |
|            |                |                                |                                 |                |                  | 46.5                                | 151.5                | 5.6            | 143.2                                | 148.4                | 2.0            | SLS         |                               |
| PW-1       | 1986           | 296234                         | 692270                          | 4917           | 120              | 0.0                                 | 32.0                 | 12.0           | 100                                  | 120                  | 6.0            | p           |                               |
|            |                |                                |                                 |                |                  | 33.0                                | 120.0                | 10.0           |                                      |                      |                |             |                               |
| PW-2       | 1986           | 297010                         | 691791                          | 4917           | 131              | 0.0                                 | 21.0                 | 12.0           | 111                                  | 131                  | 6.0            | p           |                               |
|            |                |                                |                                 |                |                  | 21.0                                | 131.0                | 10.0           |                                      |                      |                |             |                               |
| PW-3       | 1986           | 296961                         | 692447                          | 4916           | 125              | 0.0                                 | 29.0                 | 12.0           | 103                                  | 123                  | 6.0            | p           |                               |
|            |                |                                |                                 |                |                  | 29.0                                | 125.0                | 10.0           |                                      |                      |                |             |                               |
| PW-4       | 1986           | 297572                         | 692197                          | 4914           | 150              | 0.0                                 | 33.0                 | 12.0           | 110                                  | 150                  | 6.0            | p           |                               |
|            |                |                                |                                 |                |                  | 33.0                                | 150.0                | 10.0           |                                      |                      |                |             |                               |
| PW-5       | 1986           | 296987                         | 692196                          | 4916           | 131              | 0.0                                 | 30.0                 | 12.0           | 109                                  | 129                  | 6.0            | p           |                               |
|            |                |                                |                                 |                |                  | 30.0                                | 131.0                | 10.0           |                                      |                      |                |             |                               |
| PW-6       | 1986           | 295150                         | 692696                          | 4920           | 135              | 0.0                                 | 38.0                 | 12.0           |                                      |                      | 6.0            | p           |                               |
|            |                |                                |                                 |                |                  | 38.0                                | 135.0                | 10.0           |                                      |                      |                |             |                               |





**Appendix B**

**Sampling and Analysis Plan Table**



| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |               |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|---------------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION      | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K201             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | ICPP-MON-A021 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K202             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | ICPP-MON-A022 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K203             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-20       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K204             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-34       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K205             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-35       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K206             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-36       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K207             | REG/OC      | GROUND WATER | DUP        |                 | 11/22/00        | INTEC | USGS-37       | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| 50K208             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-38       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K209             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-39       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K210             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-40       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K211             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-41       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K212             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-42       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K213             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-43       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K214             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-44       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K215             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-45       | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |

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COMMENTS

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|-------------------------|------------------------|--|
| AT1: Am-241             | AT11: Strontium-90     | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240    |
| AT2: Gross Alpha/Beta   | AT12: Pu Isotopes      | Isotopic U is defined as U-234, U-235 and U-238        |
| AT3: Anions             | AT13: Iodine-129       | Gamma spectrometry analysis isotopes of concern Cs-137 |
| AT4: CLP Metals         | AT14: Uranium Isotopes |  |
| AT5: Te-99              | AT15:                  |  |
| AT6: Mercury            | AT16:                  |  |
| AT7: Ne-237             | AT17:                  |  |
| AT8: Pu-241             | AT18:                  |  |
| AT9: Gamma Spectroscopy | AT19:                  |  |
| AT10: Tritium           | AT20:                  |  |

| SAMPLE DESCRIPTION |             |              |                     |              | SAMPLE LOCATION |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|---------------------|--------------|-----------------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. SAMPLING TYPE | PLANNED DATE | AREA            | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K216             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-46  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K217             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K218             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K219             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K220             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K221             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K222             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-57  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K223             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-59  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K224             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-67  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K225             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-77  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K226             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-82  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K227             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-84  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K228             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-85  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K229             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-111 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50K230             | REG         | GROUND WATER | GRAB                | 11/22/00     | INTEC           | USGS-112 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |

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#### COMMENTS

|                         |                        |  |
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| AT1: Am-241             | AT11: Strontium-90     | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240    |
| AT2: Gross Alpha/Beta   | AT12: Pu Isotopes      | Isotopic U is defined as U-234, U-235 and U-238        |
| AT3: Anions             | AT13: Iodine-129       | Gamma spectrometry analysis isotopes of concern Cs-137 |
| AT4: CLP Metals         | AT14: Uranium Isotopes |  |
| AT5: Tc-99              | AT15:                  |  |
| AT6: Mercury            | AT16:                  |  |
| AT7: Hg-237             | AT17:                  |  |
| AT8: Pu-241             | AT18:                  |  |
| AT9: Gamma Spectroscopy | AT19:                  |  |
| AT10: Tritium           | AT20:                  |  |

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
|                    |             |              |            |                 |                 |       |          |                  |            | A4   | A8  | A9  | C1  | EA  | HG  | NP  | PY  | B4  | RB   | RF   | RI   | UA   |      |      |      |      |      |      |      |
| 50K231             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-113 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K232             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-114 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K233             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-115 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K234             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-116 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K235             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K236             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K237             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K238             | REG/OC      | GROUND WATER | DUP        |                 | 11/22/00        | INTEC | LF3-8    | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    |      |      |      |      |      |      |
| 50K239             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF3-9    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K240             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF3-10   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K241             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF3-11   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K242             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF2-8    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K243             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF2-9    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K244             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF2-10   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50K245             | REG         | GROUND WATER | GRAB       |                 | 11/22/00        | INTEC | LF2-11   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |

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|                         |                        |
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| AT1: Am-241             | AT11: Strontium-90     |
| AT2: Gross Alpha/Beta   | AT12: Pu Isotopes      |
| AT3: Anions             | AT13: Iodine-129       |
| AT4: Clp Metals         | AT14: Uranium Isotopes |
| AT5: Tc-99              | AT15:                  |
| AT6: Mercury            | AT16:                  |
| AT7: Np-237             | AT17:                  |
| AT8: Pu-241             | AT18:                  |
| AT9: Gamma Spectroscopy | AT19:                  |
| AT10: Tritium           | AT20:                  |

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240  
 Isotopic U is defined as U-234, U-235 and U-238  
 Gamma spectrometry analysis isotope of concern Cs-137



SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Plan Table Number: WAG3GROUP5(RD1)  
 SAP Number: 07/20/00  
 Date: 07/20/00  
 Plan Table Revisions: 1.0  
 Project: WAG 3 GROUP 5 LONG-TERM MONITORING BASELINE SAMPLING 10/11/00  
 Project Manager: C. J. ROBERTS  
 SMO Contact: J. D. JACKSON

| SAMPLE DESCRIPTION |             |              |            | SAMPLE LOCATION |              |       |               | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |            |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|--------------|-------|---------------|--|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE | AREA  | LOCATION      | TYPE OF LOCATION                                 | DEPTH (FT) | AT1 | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M001             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | ICPP-MON-A021 | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M002             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | ICPP-MON-A022 | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M003             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-20       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M004             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-34       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M005             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-35       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M006             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-36       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M007             | REG/HC      | GROUND WATER | DUP        |                 | 10/11/00     | INTEC | USGS-37       | MONITORING WELL                                  | N/A        | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    | 2    |      |      |      |      |      |
| 50M008             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-38       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M009             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-39       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M010             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-40       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M011             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-41       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M012             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-42       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M013             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-43       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M014             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-44       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M015             | REG         | GROUND WATER | GRAB       |                 | 10/11/00     | INTEC | USGS-45       | MONITORING WELL                                  | N/A        | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |

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| AT4: CLP Metals         | AT14: Uranium Isotopes |  |
| AT5: Tc-99              | AT15:                  |  |
| AT6: Mercury            | AT16:                  |  |
| AT7: Yp-237             | AT17:                  |  |
| AT8: Pu-241             | AT18:                  |  |
| AT9: Gamma Spectroscopy | AT19:                  |  |
| AT10: Tritium           | AT20:                  |  |



SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |             | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|-------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft.) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M016             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-46  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M017             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-47  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M018             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-48  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M019             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-49  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M020             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-51  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M021             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-52  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M022             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-57  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M023             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-59  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M024             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-67  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M025             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-77  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M026             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-82  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M027             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-84  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M028             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-85  | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M029             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-111 | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 50M030             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-112 | MONITORING WELL  | N/A         | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |

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 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                         |                        |   |
|-------------------------|------------------------|---|
| AT1: Am-241             | AT11: Strontium-90     |   |
| AT2: Gross Alpha/Beta   | AT12: Pu Isotopes      | Isotopic Pu Is defined as Pu-238, Pu-239 and Pu-240   |
| AT3: Anions             | AT13: Iodine-129       | Isotopic U Is defined as U-234, U-235 and U-238       |
| AT4: CLP Metals         | AT14: Uranium Isotopes | Gamma Spectrometry analysis isotope of concern Cs-137 |
| AT5: Tc-99              | AT15:                  |   |
| AT6: Mercury            | AT16:                  |   |
| AT7: Hg-237             | AT17:                  |   |
| AT8: Pu-241             | AT18:                  |   |
| AT9: Gamma Spectroscopy | AT19:                  |   |
| AT10: Tritium           | AT20:                  |   |

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M031             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-113 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| 50M032             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-114 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M033             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-115 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M034             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-116 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M035             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M036             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M037             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M038             | REG/QC      | GROUND WATER | DUP        |                 | 10/11/00        | INTEC | LF3-8    | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    | 2    |      |      |      |      |      |
| 50M039             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF3-9    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M040             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF3-10   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M041             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF3-11   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M042             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF2-8    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M043             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF2-9    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M044             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF2-10   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |
| 50M045             | REG         | GROUND WATER | GRAB       |                 | 10/11/00        | INTEC | LF2-11   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |

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 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                         |                        |  |
|-------------------------|------------------------|--|
| AT1: Am-241             | AT11: Strontium-90     |  |
| AT2: Gross Alpha/Beta   | AT12: Pu Isotopes      | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240    |
| AT3: Anions             | AT13: Iodine-129       | Isotopic U is defined as U-234, U-235 and U-238        |
| AT4: CLP Metals         | AT14: Uranium Isotopes | Gamma Spectrometry analysis isotopes of concern Cs-137 |
| AT5: Tc-99              | AT15:                  |  |
| AT6: Mercury            | AT16:                  |  |
| AT7: Wp-237             | AT17:                  |  |
| AT8: Pu-241             | AT18:                  |  |
| AT9: Gamma Spectroscopy | AT19:                  |  |
| AT10: Iritium           | AT20:                  |  |



| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K050             | REG/OC      | GROUND WATER | DUP       |                 | 05/25/01        | INTEC | W-18     | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    |      |      |      |      |      |      |      |      |
| 50K051             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K052             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K053             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K054             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K055             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K056             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K057             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K058             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K059             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K060             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K061             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K062             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-48  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K063             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | USGS-59  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K064             | REG         | GROUND WATER | GRAB      |                 | 05/25/01        | INTEC | LF3-08   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

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 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

# COMMENTS

|                                |                               |  |
|--------------------------------|-------------------------------|--|
| AT1: <u>Am-241</u>             | AT11: <u>Iodine-129</u>       |  |
| AT2: <u>Gross Alpha/Beta</u>   | AT12: <u>Uranium Isotopes</u> |  |
| AT3: <u>Tc-99</u>              | AT13: _____                   |  |
| AT4: <u>Mercury</u>            | AT14: _____                   |  |
| AT5: <u>Pb-210</u>             | AT15: _____                   |  |
| AT6: <u>Pu-241</u>             | AT16: _____                   |  |
| AT7: <u>Gamma Spectroscopy</u> | AT17: _____                   |  |
| AT8: <u>Tritium</u>            | AT18: _____                   |  |
| AT9: <u>Strontium-90</u>       | AT19: _____                   |  |
| AT10: <u>Pu Isotopes</u>       | AT20: _____                   |  |

Samples 50K061, 50K062 and 50K063 shall be taken from a depth below the HI Interbed.  
 Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.  
 Isotopic U is defined as U-235, U-238 and U-236.  
 Gamma spectrometry analysis isotopes of concern Cs-137.



| SAMPLE DESCRIPTION |             |       |              |                 |              | SAMPLE LOCATION |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|-------|--------------|-----------------|--------------|-----------------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA | COLL. TYPE   | SAMPLING METHOD | PLANNED DATE | AREA            | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
|                    | 50K085      | REG   | GROUND WATER | GRAB            | 05/22/02     | INTEC           | USGS-57  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    | 50K086      | REG   | GROUND WATER | GRAB            | 05/22/02     | INTEC           | USGS-67  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    | 50K087      | REG   | GROUND WATER | GRAB            | 05/22/02     | INTEC           | USGS-112 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    | 50K088      | REG   | GROUND WATER | GRAB            | 05/22/02     | INTEC           | USGS-113 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    | 50K089      | REG   | GROUND WATER | GRAB            | 05/22/02     | INTEC           | USGS-85  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    | 50K251      | QC    | WATER        | RINSE           | 05/22/02     | INTEC           | QC       | EQUIPMENT RINSE  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |              |                 |              |                 |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

#### COMMENTS

|                         |                        |  |
|-------------------------|------------------------|--|
| AT1: Am-241             | AT11: Iodine-129       |  |
| AT2: Gross Alpha/Beta   | AT12: Uranium Isotopes |  |
| AT3: Tc-99              | AT13:                  |  |
| AT4: Mercury            | AT14:                  |  |
| AT5: Hg-237             | AT15:                  |  |
| AT6: Pu-241             | AT16:                  |  |
| AT7: Gamma Spectroscopy | AT17:                  |  |
| AT8: Iritium            | AT18:                  |  |
| AT9: Strontium-90       | AT19:                  |  |
| AT10: Pu Isotopes       | AT20:                  |  |

Samples 50K081, 50K082 and 50K083 shall be taken from a depth below the H1 Interbed.

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.

Isotopic U is defined as U-234, U-235 and U-238.

Gamma Spectrometry analysis Isotope of interest Cs-137.

Plan Table Number: WAGSGROUP5(R04)

SAP Number:

Date: 01/22/2002 Plan Table Revision: 3.0

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 4 (ANNUAL)

Project Manager: FORSYTHE, H. S.

SMA Contact: KIRCHNER, D. R.

| Sample Description |             |               |           |                 | Sample Location |       |                  |          |            | Enter Analysis Types (AT) and Quantity Requested |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|---------------|-----------|-----------------|-----------------|-------|------------------|----------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| Sampling Activity  | Sample Type | Sample Matrix | Coil Type | Sampling Method | Planned Date    | Area  | Type of Location | Location | Depth (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| SOM080             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | MW-18    | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| SOM091             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-40  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| SOM092             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-42  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM093             | REG/OC      | GROUND WATER  | DUP       |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-47  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    |      |      |      |      |      |      |
| SOM094             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-48  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM095             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-49  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM096             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-51  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM097             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-52  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM098             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-121 | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM099             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-122 | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM100             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-123 | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM101             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-41  | NOTE       | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM102             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-48  | NOTE       | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM103             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | USGS-59  | NOTE       | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |
| SOM104             | REG         | GROUND WATER  | GRAB      |                 | 05/20/03        | INTEC | MONITORING WELL  | LF3-08   | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    | 1    |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number.

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

|                       |               |  |
|-----------------------|---------------|--|
| AT1: Am-241           | AT11: Tritium | Comments:  |
| AT2: Gamma Spec       | AT12: U-iso   | NOTE: Samples SOM101, SOM102 and SOM103 shall be taken from a depth below the HI Interbed. |
| AT3: Gross Alpha Beta | AT13:         | Isotopic Pu is defined as Pu-238, Pu-239, and Pu-240.                                      |
| AT4: Iodine-129       | AT14:         | Isotopic U is defined as U-234, U-235 and U-238.   |
| AT5: Mercury          | AT15:         | Gamma spectrometry analysis isotopic of concern Cs-137.                                    |
| AT6: Np-237           | AT16:         |  |
| AT7: Pu-241           | AT17:         |  |
| AT8: Pu-iso           | AT18:         |  |
| AT9: Sr-90            | AT19:         |  |
| AT10: Tc-99           | AT20:         |  |

Analysis Suffixes:

Confingencies:







### Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: WAG3GROUP5(RD5)

SAP Number:

Date: 01/22/2003 Plan Table Revision: 2.0

Plan Table Revision: 2.0

Plan Table Revision: 2.0

Plan Table Revision: 2.0

[illegible]

The sampling activity displayed on this table represents the first six characters of the sample identification number.

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

Comments:

NOTE: Samples 50M271, 50M272, and 50M273 shall be taken from a depth below the HI interbed.

Isotopic Pu is defined as Pu-238, Pu-239, and Pu-240.

Isotopic U is defined as U-234, U-235 and U-238.

**Gamma spectrometry analysis isotope of concern Cs-137.**

**Contingencies:**



### Sampling and Analysis Plan Table for Chemical and Radiological Analysis

Plan Table Number: WAG3GROUP5(RD6)

**SAP Number:**

Date: 01/22/2003

Plan Table Revision: 2.0

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE

**Project Manager:** FORSYTHE, H. S.

SMO Contact: KIRCHNER D. R.

[illegible]

The sampling activity displayed on this table represents the first six characters of the sample identification number.

The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

AT1: Am-241

Comments:

AT2: Gamma Soap

| ALL. | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |      |

| Att.     | Concn. Alcohol/Rate |
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| Att. 1   | 100%                |
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| Att. 95  | 100%                |
| Att. 96  | 100%                |
| Att. 97  | 100%                |
| Att. 98  | 100%                |
| Att. 99  | 100%                |
| Att. 100 | 100%                |

A13: Gross profit

AT4: iodine-129

AT5: Mercury

AT6: Np-237

AT7: PU-24†

AT8: Pu-Iso

| ATQ | Sr. 90 |
|-----|--------|
|     |        |

| ATG | T-30 |
|-----|------|
| ATG | T-30 |

| SAMPLE DESCRIPTION |             |              |                     |              | SAMPLE LOCATION |          |                  |            |     | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|---------------------|--------------|-----------------|----------|------------------|------------|-----|--|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. SAMPLING TYPE | PLANNED DATE | AREA            | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1 | AT2  | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K350             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-18    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K351             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-40    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K352             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-42    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K353             | REG/OC      | GROUND WATER | DUP                 | 06/01/06     | INTEC           | MU-47    | MONITORING WELL  | N/A        | 2   | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    | 2    |      |      |      |      |      |      |
| 50K354             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-48    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K355             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-49    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K356             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-51    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K357             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-52    | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K358             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-121   | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K359             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-122   | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K360             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | MU-123   | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K361             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | USGS-41  | MONITORING WELL  | COMMENT    | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K362             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | USGS-48  | MONITORING WELL  | COMMENT    | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K363             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | USGS-59  | MONITORING WELL  | COMMENT    | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |
| 50K364             | REG         | GROUND WATER | GRAB                | 06/01/06     | INTEC           | LF3-08   | MONITORING WELL  | N/A        | 1   | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    | 1    |      |      |      |      |      |      |      |

Project Manager: C.J. ROBERTS

SNO Contact: J.D. JACKSON

The sampling activity displayed on this table represents the first six characters of the sample identification number.  
 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

# COMMENTS

|                                |                               |
|--------------------------------|-------------------------------|
| AT1: <u>Am-241</u>             | AT11: <u>Iodine-129</u>       |
| AT2: <u>Gross Alpha/Beta</u>   | AT12: <u>Uranium Isotopes</u> |
| AT3: <u>Tc-99</u>              | AT13: _____                   |
| AT4: <u>Mercury</u>            | AT14: _____                   |
| AT5: <u>Hg-237</u>             | AT15: _____                   |
| AT6: <u>Pu-241</u>             | AT16: _____                   |
| AT7: <u>Gamma Spectroscopy</u> | AT17: _____                   |
| AT8: <u>Tritium</u>            | AT18: _____                   |
| AT9: <u>Strontium-90</u>       | AT19: _____                   |
| AT10: <u>Pu Isotopes</u>       | AT20: _____                   |

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.

Isotopic U is defined as U-234, U-235 and U-238.

Gamma Spectrometry analysis isotopes of concern Cs-137.

Samples 50K361, 50K362 and 50K363 shall be taken from a depth below the RI Interbed.



| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M400             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | MJ-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M401             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M402             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M403             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M404             | REG/OC      | GROUND WATER | DUP       |                 | 06/01/07        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    |      |      |      |      |      |      |      |
| 50M405             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M406             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M407             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M408             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M409             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M410             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M411             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M412             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-48  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M413             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-59  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M414             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | LFS-08   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number.  
The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                         |                        |   |
|-------------------------|------------------------|---|
| AT1: Am-241             | AT11: Iodine-129       | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.                      |
| AT2: Gross Alpha/Beta   | AT12: Uranium Isotopes | Isotopic U is defined as U-234, U-235 and U-238.                          |
| AT3: Tc-99              | AT13:                  | Gamma Spectrometry analysis isotopes of concern Cs-137.                   |
| AT4: Mercury            | AT14:                  | Samples 50M411, 50M412 and 50M413 shall be taken from a depth below the H |
| AT5: W-237              | AT15:                  | interbed.   |
| AT6: Pu-241             | AT16:                  |   |
| AT7: Gamma Spectroscopy | AT17:                  |   |
| AT8: Tritium            | AT18:                  |   |
| AT9: Strontium-90       | AT19:                  |   |
| AT10: Pu Isotopes       | AT20:                  |   |

[illegible]

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

**STRENGTH**

|                         |                        |
|-------------------------|------------------------|
| AT1: Am-241             | AT11: Iodine-129       |
| AT2: Gross Alpha/Beta   | AT12: Uranium Isotopes |
| AT3: Ic-99              | AT13:                  |
| AT4: Mercury            | AT14:                  |
| AT5: W-237              | AT15:                  |
| AT6: Pu-241             | AT16:                  |
| AT7: Gamma Spectroscopy | AT17:                  |
| AT8: Iritium            | AT18:                  |
| AT9: Strontium-90       | AT19:                  |
| AT10: Pu Isotopes       | AT20:                  |



| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K415             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-57  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K416             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-67  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K417             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-112 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K418             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-113 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K419             | REG         | GROUND WATER | GRAB      |                 | 06/01/07        | INTEC | USGS-85  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K420             | QC          | WATER        | RNST      |                 | 06/01/07        | INTEC | QC       | EQUIPMT RINSTE   | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

# COMMENTS

|                                |                               |  |
|--------------------------------|-------------------------------|--|
| AT1: <u>Am-241</u>             | AT11: <u>Iodine-129</u>       |  |
| AT2: <u>Gross Alpha/Beta</u>   | AT12: <u>Uranium Isotopes</u> | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.                       |
| AT3: <u>Ic-99</u>              | AT13: _____                   | Isotopic U is defined as U-234, U-235 and U-238.                           |
| AT4: <u>Mercury</u>            | AT14: _____                   | Gamma Spectrometry analysis Isotope of concern Cs-137.                     |
| AT5: <u>Mp-237</u>             | AT15: _____                   | Samples 50K411, 50K412 and 50K413 shall be taken from a depth below the RI |
| AT6: <u>Pu-241</u>             | AT16: _____                   | interbed.  |
| AT7: <u>Gamma Spectroscopy</u> | AT17: _____                   |  |
| AT8: <u>Tritium</u>            | AT18: _____                   |  |
| AT9: <u>Strontium-90</u>       | AT19: _____                   |  |
| AT10: <u>Pu Isotopes</u>       | AT20: _____                   |  |

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M450             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | M4-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M451             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M452             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M453             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M454             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M455             | REG/OC      | GROUND WATER | DUP        |                 | 06/01/09        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    | 2    |      |      |      |      |      |      |      |
| 50M456             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M457             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M458             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M459             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M460             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M461             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M462             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-48  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M463             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | USGS-59  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M464             | REG         | GROUND WATER | GRAB       |                 | 06/01/09        | INTEC | LFS-08   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number.  
 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                                |                               |  |
|--------------------------------|-------------------------------|--|
| AT1: <u>Am-241</u>             | AT11: <u>Iodine-129</u>       |  |
| AT2: <u>Gross Alpha/Beta</u>   | AT12: <u>Uranium Isotopes</u> |  |
| AT3: <u>Tc-99</u>              | AT13:                         |  |
| AT4: <u>Mercury</u>            | AT14:                         |  |
| AT5: <u>Np-237</u>             | AT15:                         |  |
| AT6: <u>Pu-241</u>             | AT16:                         |  |
| AT7: <u>Gamma Spectroscopy</u> | AT17:                         |  |
| AT8: <u>Tridium</u>            | AT18:                         |  |
| AT9: <u>Strontium-90</u>       | AT19:                         |  |
| AT10: <u>Pu Isotopes</u>       | AT20:                         |  |

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.

Isotopic U is defined as U-234, U-235 and U-238.

Gamma Spectrometry analysis isotopes of concern Cs-137.

Samples 50M461, 50M462 and 50M463 shall be taken from a depth below the HI Interbed.



| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50MS00             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | W4-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS01             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS02             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS03             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS04             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS05             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS06             | REG/OC      | GROUND WATER | DUP       |                 | 06/01/11        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    |      |      |      |      |      |      |      |      |
| 50MS07             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS08             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS09             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS10             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS11             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS12             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-48  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS13             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | USGS-59  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50MS14             | REG         | GROUND WATER | GRAB      |                 | 06/01/11        | INTEC | L3-08    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

#### COMMENTS

|                         |                        |
|-------------------------|------------------------|
| AT1: Am-241             | AT11: Iodine-129       |
| AT2: Gross Alpha/Beta   | AT12: Uranium Isotopes |
| AT3: Tc-99              | AT13:                  |
| AT4: Mercury            | AT14:                  |
| AT5: Pb-217             | AT15:                  |
| AT6: Pu-241             | AT16:                  |
| AT7: Gamma Spectroscopy | AT17:                  |
| AT8: Tritium            | AT18:                  |
| AT9: Strontium-90       | AT19:                  |
| AT10: Pu Isotopes       | AT20:                  |

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.

Isotopic U is defined as U-234, U-235 and U-238.

Gamma Spectrometry analysis isotope of concern Cs-137.

Samples 50MS11, 50MS12 and 50MS13 shall be taken from a depth below the HI Interbed.

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

| SAMPLE DESCRIPTION |             |       |            |                 | SAMPLE LOCATION |      |          |                  | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|-------|------------|-----------------|-----------------|------|----------|------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA | LOCATION | TYPE OF LOCATION | DEPTH (ft)                                       | AT1 | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |       |            |                 |                 |      |          |                  |  |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                                |                               |
|--------------------------------|-------------------------------|
| AT1: <u>As-241</u>             | AT11: <u>Iodine-129</u>       |
| AT2: <u>Gross Alpha/Beta</u>   | AT12: <u>Uranium Isotopes</u> |
| AT3: <u>Tc-99</u>              | AT13: _____                   |
| AT4: <u>Mercury</u>            | AT14: _____                   |
| AT5: <u>Hg-237</u>             | AT15: _____                   |
| AT6: <u>Pu-241</u>             | AT16: _____                   |
| AT7: <u>Gamma Spectroscopy</u> | AT17: _____                   |
| AT8: <u>Iritium</u>            | AT18: _____                   |
| AT9: <u>Strontium-90</u>       | AT19: _____                   |
| AT10: <u>Pu Isotopes</u>       | AT20: _____                   |

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.  
 Isotopic U is defined as U-234, U-235 and U-238.  
 Gamma Spectrometry analysis isotopes of concern Cs-137, Samples 50K511, 50K512 and 50K513 shall be taken from a depth below the RI Interbed.

Worksheet number: WMSGROUP2(RD11)

SAP Number:

Date: 07/20/00

Plan Table Revision: 0.0

# SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 11 (BIANNUAL)

Project Manager: C. J. ROBERTS

SMD Contact: J. D. JACKSON

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K550             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | MJ-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K551             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K552             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K553             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K554             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K555             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K556             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K557             | REG/OC      | GROUND WATER | DUP        |                 | 06/01/13        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    |      |      |      |      |      |      |      |      |
| 50K558             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K559             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K560             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K561             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K562             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | 50K562   | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K563             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | 50K563   | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K564             | REG         | GROUND WATER | GRAB       |                 | 06/01/13        | INTEC | LF3-08   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

## COMMENTS

AT1: Am-241

AT2: Gross Alpha/Beta

AT3: Tc-99

AT4: Mercury

AT5: Hg-237

AT6: Pu-241

AT7: Gamma Spectroscopy

AT8: Tritium

AT9: Strontium-90

AT10: Pu Isotopes

AT11: Iodine-129

AT12: Uranium Isotopes

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.

Isotopic U is defined as U-234, U-235 and U-238.

Gamma spectrometry analysis isotope of concern Cs-137.

Sample 50K561, 50K562 and 50K563 shall be taken from a depth below the HZ Interbed.



| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | SAMPLE MEDIA | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50W565             | REG         | GROUND WATER | GRAB      |                 | 06/01/13        | INTEC | USGS-57  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50W566             | REG         | GROUND WATER | GRAB      |                 | 06/01/13        | INTEC | USGS-67  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50W567             | REG         | GROUND WATER | GRAB      |                 | 06/01/13        | INTEC | USGS-112 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50W568             | REG         | GROUND WATER | GRAB      |                 | 06/01/13        | INTEC | USGS-113 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50W569             | REG         | GROUND WATER | GRAB      |                 | 06/01/13        | INTEC | USGS-65  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50W570             | QC          | WATER        | RUST      |                 | 06/01/13        | INTEC | QC       | EQUIPMENT RINSE  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |           |                 |                 |       |          |                  |            |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |



Plan Table Number: WAGGROUP5(RD12)

SAP Number:

Date: 07/20/00 Plan Table Revision: 0.0

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

Project: WAG 3 GROUP 5 OPERATION AND MAINTENANCE - ROUND 12 (BIANNUAL) Project Manager: C.J. ROBERTS

SNO Contact: J.D. JACKSON

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| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50K600             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | MU-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K601             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K602             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K603             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K604             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K605             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K606             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K607             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K608             | REG/QC      | GROUND WATER | DUP       |                 | 06/01/15        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    |      |      |      |      |      |      |      |      |
| 50K609             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K610             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K611             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K612             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-48  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K613             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | USGS-59  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50K614             | REG         | GROUND WATER | GRAB      |                 | 06/01/15        | INTEC | LF3-08   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

ROUND 12 (BIANNUAL)  
PROJECT Manager: C.J. ROBERTS  
SNO Contact: J.D. JACKSON

The sampling activity displayed on this table represents the first six characters of the sample identification number.  
The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

# COMMENTS

AT1: Am-241

AT2: Gross Alpha/Beta

AT3: Tc-99

AT4: Mercury

AT5: Wp-237

AT6: Pu-241

AT7: Gamma Spectroscopy

AT8: Tridium

AT9: Strontium-90

AT10: Pu Isotopes

AT11: Iodine-129

AT12: Uranium Isotopes

AT13:

AT14:

AT15:

AT16:

AT17:

AT18:

AT19:

AT20:

Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.

Isotopic-U is defined as U-234, U-235 and U-238.

Gamma spectrometry analysis Isotope of Interest Cs-137.

Samples 50K611, 50K612 and 50K613 shall be taken from a depth below the III Interbed.



| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M630             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | MN-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M631             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M632             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M633             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M634             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M635             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M636             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M637             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M638             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M639             | REG/OC      | GROUND WATER | DUP       |                 | 06/01/20        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    | 2    |      |      |      |      |      |      |      |      |
| 50M640             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M641             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-41  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M642             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-48  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M643             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | USGS-59  | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |
| 50M644             | REG         | GROUND WATER | GRAB      |                 | 06/01/20        | INTEC | LF3-08   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    | 1    |      |      |      |      |      |      |      |      |

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 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                         |                        |  |
|-------------------------|------------------------|--|
| AT1: Am-241             | AT11: Iodine-129       | Isotopic Pu is defined as Pu-238, Pu-239 and Pu-240.                                 |
| AT2: Gross Alpha/Beta   | AT12: Uranium Isotopes | Isotopic U is defined as U-234, U-235 and U-238.                                     |
| AT3: Tc-99              | AT13:                  | Gamma spectrometry analysis isotopes of concern Cs-137.                              |
| AT4: Mercury            | AT14:                  | Samples 50M631, 50M642 and 50M643 shall be taken from a depth below the HI Interbed. |
| AT5: Hg-237             | AT15:                  |  |
| AT6: Pu-241             | AT16:                  |  |
| AT7: Gamma Spectroscopy | AT17:                  |  |
| AT8: Tritium            | AT18:                  |  |
| AT9: Strontium-90       | AT19:                  |  |
| AT10: Pu Isotopes       | AT20:                  |  |



| SAMPLE DESCRIPTION |             |              |           | SAMPLE LOCATION |              |       |          |                  | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|--------------|-------|----------|------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft)                                       | AT1 | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M050             | REG/QC      | GROUND WATER | DUP       |                 | 05/07/01     | INTEC | MW-18    | MONITORING WELL  | N/A  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    |      |      |      |      |      |      |      |      |      |      |
| 50M051             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-40  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M052             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-42  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M053             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-47  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M054             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-48  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M055             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-49  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M056             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-51  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M057             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-52  | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M058             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-121 | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M059             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-122 | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M060             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | USGS-123 | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M061             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | TBD      | MONITORING WELL  | COMMENT  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M062             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | TBD      | MONITORING WELL  | COMMENT  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M063             | REG         | GROUND WATER | GRAB      |                 | 05/07/01     | INTEC | TBD      | MONITORING WELL  | COMMENT  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M064             | QC          | WATER        | RNST      |                 | 05/07/01     | INTEC | QC       | EQUIPMNT RINSTE  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |

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#### COMMENTS

|                        |             |       |
|------------------------|-------------|-------|
| AT1: Am-241            | AT11: _____ | _____ |
| AT2: Gross Alpha/Beta  | AT12: _____ | _____ |
| AT3: Tc-99             | AT13: _____ | _____ |
| AT4: Mercury           | AT14: _____ | _____ |
| AT5: Np-237            | AT15: _____ | _____ |
| AT6: Iridium           | AT16: _____ | _____ |
| AT7: Strontium-90      | AT17: _____ | _____ |
| AT8: Pu Isotopes       | AT18: _____ | _____ |
| AT9: Iodine-129        | AT19: _____ | _____ |
| AT10: Uranium Isotopes | AT20: _____ | _____ |

TBD well samples shall be taken from a depth below the HI interbed.

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M070             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | HW-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M071             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M072             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M073             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M074             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M075             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M076             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M077             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M078             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M079             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M080             | REG/QC      | GROUND WATER | DUP        |                 | 11/05/01        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    |      |      |      |      |      |      |      |      |      |      |
| 50M081             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | TBD      | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M082             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | TBD      | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M083             | REG         | GROUND WATER | GRAB       |                 | 11/05/01        | INTEC | TBD      | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M084             | QC          | WATER        | RNST       |                 | 11/05/01        | INTEC | QC       | EQUIPMT RINSE    | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |

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# COMMENTS

|                        |             |  |
|------------------------|-------------|--|
| AT1: Am-241            | AT11: _____ | TBD well samples shall be taken from a depth below the III interbed. |
| AT2: Gross Alpha/Beta  | AT12: _____ |  |
| AT3: Tc-99             | AT13: _____ |  |
| AT4: Mercury           | AT14: _____ |  |
| AT5: Hg-237            | AT15: _____ |  |
| AT6: Tritium           | AT16: _____ |  |
| AT7: Strontium-90      | AT17: _____ |  |
| AT8: Pu Isotopes       | AT18: _____ |  |
| AT9: Iodine-129        | AT19: _____ |  |
| AT10: Uranium Isotopes | AT20: _____ |  |

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) |  |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|                    |             |              |            |                 |                 |       |          |                  |            | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M090             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | MW-18    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M091             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-40  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M092             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-42  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M093             | REG/QC      | GROUND WATER | DUP        |                 | 05/06/02        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    | 2    |      |      |      |      |      |      |      |      |      |
| 50M094             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M095             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M096             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M097             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M098             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M099             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M100             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M101             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | TBD      | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M102             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | TBD      | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M103             | REG         | GROUND WATER | GRAB       |                 | 05/06/02        | INTEC | TBD      | MONITORING WELL  | COMMENT    | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |
| 50M104             | QC          | WATER        | RNST       |                 | 05/06/02        | INTEC | QC       | EQUIPMNT RINSTE  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    | 1    |      |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number. The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

#### COMMENTS

|                        |       |  |
|------------------------|-------|--|
| AT1: Am-241            | AT11: |  |
| AT2: Gross Alpha/Beta  | AT12: |  |
| AT3: Tc-99             | AT13: |  |
| AT4: Mercury           | AT14: |  |
| AT5: Pb-210            | AT15: |  |
| AT6: Tritium           | AT16: |  |
| AT7: Strontium-90      | AT17: |  |
| AT8: Pu Isotopes       | AT18: |  |
| AT9: Iodine-129        | AT19: |  |
| AT10: Uranium Isotopes | AT20: |  |

TBD well samples shall be taken from a depth below the HI Interbed

SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |               |                  | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|---------------|------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION      | TYPE OF LOCATION | DEPTH (ft)                                       | AT1 | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M001             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | ICPP-MON-A021 | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M002             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | ICPP-MON-A022 | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M003             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-20       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M004             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-34       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M005             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-35       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M006             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-36       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M007             | REG/OC      | GROUND WATER | DUP        |                 | 11/06/00        | INTEC | USGS-37       | MONITORING WELL  | N/A  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    |      |      |      |      |      |      |      |      |      |      |
| 50M008             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-38       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M009             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-39       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M010             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-40       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M011             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-41       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M012             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-42       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M013             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-43       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M014             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-44       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M015             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-45       | MONITORING WELL  | N/A  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number.  
 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                        |       |
|------------------------|-------|
| AT1: Am-241            | AT11: |
| AT2: Gross Alpha/Beta  | AT12: |
| AT3: Tc-99             | AT13: |
| AT4: Mercury           | AT14: |
| AT5: Np-237            | AT15: |
| AT6: Tritium           | AT16: |
| AT7: Strontium-90      | AT17: |
| AT8: Pu Isotopes       | AT18: |
| AT9: Iodine-129        | AT19: |
| AT10: Uranium Isotopes | AT20: |



SAMPLING AND ANALYSIS PLAN TABLE FOR CHEMICAL AND RADIOLOGICAL ANALYSIS

| SAMPLE DESCRIPTION |             |              |           |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|-----------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M016             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-46  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M017             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-47  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M018             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-48  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M019             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-49  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M020             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-51  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M021             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-52  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M022             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-57  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M023             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-59  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M024             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-67  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M025             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-77  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M026             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-82  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M027             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-84  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M028             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-85  | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M029             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-111 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M030             | REG         | GROUND WATER | GRAB      |                 | 11/06/00        | INTEC | USGS-112 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |

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COMMENTS

|                        |  |       |  |
|------------------------|--|-------|--|
| AT1: Am-241            |  | AT11: |  |
| AT2: Gross Alpha/Beta  |  | AT12: |  |
| AT3: Tc-99             |  | AT13: |  |
| AT4: Mercury           |  | AT14: |  |
| AT5: Np-237            |  | AT15: |  |
| AT6: Tritium           |  | AT16: |  |
| AT7: Strontium-90      |  | AT17: |  |
| AT8: Pu Isotopes       |  | AT18: |  |
| AT9: Iodine-129        |  | AT19: |  |
| AT10: Uranium Isotopes |  | AT20: |  |

| SAMPLE DESCRIPTION |             |              |            |                 | SAMPLE LOCATION |       |          |                  |            | ENTER ANALYSIS TYPES (AT) AND QUANTITY REQUESTED |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|-------------|--------------|------------|-----------------|-----------------|-------|----------|------------------|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| SAMPLING ACTIVITY  | SAMPLE TYPE | MEDIA        | COLL. TYPE | SAMPLING METHOD | PLANNED DATE    | AREA  | LOCATION | TYPE OF LOCATION | DEPTH (ft) | AT1  | AT2 | AT3 | AT4 | AT5 | AT6 | AT7 | AT8 | AT9 | AT10 | AT11 | AT12 | AT13 | AT14 | AT15 | AT16 | AT17 | AT18 | AT19 | AT20 |
| 50M031             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-113 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M032             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-114 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M033             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-115 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M034             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-116 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M035             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-121 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M036             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-122 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M037             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | USGS-123 | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M038             | REG/OC      | GROUND WATER | DUP        |                 | 11/06/00        | INTEC | LF3-8    | MONITORING WELL  | N/A        | 2  | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2    |      |      |      |      |      |      |      |      |      |      |
| 50M039             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF3-9    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M040             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF3-10   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M041             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF3-11   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M042             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF2-8    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M043             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF2-9    | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M044             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF2-10   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |
| 50M045             | REG         | GROUND WATER | GRAB       |                 | 11/06/00        | INTEC | LF2-11   | MONITORING WELL  | N/A        | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1    |      |      |      |      |      |      |      |      |      |      |

The sampling activity displayed on this table represents the first six characters of the sample identification number.  
 The complete sample identification number (10 characters) will appear on field guidance forms and sample labels.

COMMENTS

|                        |  |
|------------------------|--|
| AT1: Am-241            |  |
| AT2: Gross Alpha/Beta  |  |
| AT3: Tc-99             |  |
| AT4: Mercury           |  |
| AT5: Np-237            |  |
| AT6: Tritium           |  |
| AT7: Strontium-90      |  |
| AT8: Pu Isotopes       |  |
| AT9: Iodine-129        |  |
| AT10: Uranium Isotopes |  |
| AT11:                  |  |
| AT12:                  |  |
| AT13:                  |  |
| AT14:                  |  |
| AT15:                  |  |
| AT16:                  |  |
| AT17:                  |  |
| AT18:                  |  |
| AT19:                  |  |
| AT20:                  |  |

